

The diagram illustrates the manufacturing process of a microfluidic device through five sequential steps:

- Step 1:** A mold 20 is shown with a grid of rectangular wells 22, 24, and 26.
- Step 2:** The mold 20 is placed on a substrate 30, and a layer 28 is applied.
- Step 3:** The mold 20 is removed, leaving a patterned layer 36 on the substrate 30.
- Step 4:** The mold 20 is placed back on the substrate 30, and a second layer 34 is applied.
- Step 5:** The mold 20 is removed, leaving a patterned layer 38 on the substrate 30.

The final product is a microfluidic device with a grid of channels 38.

FIG. 1A

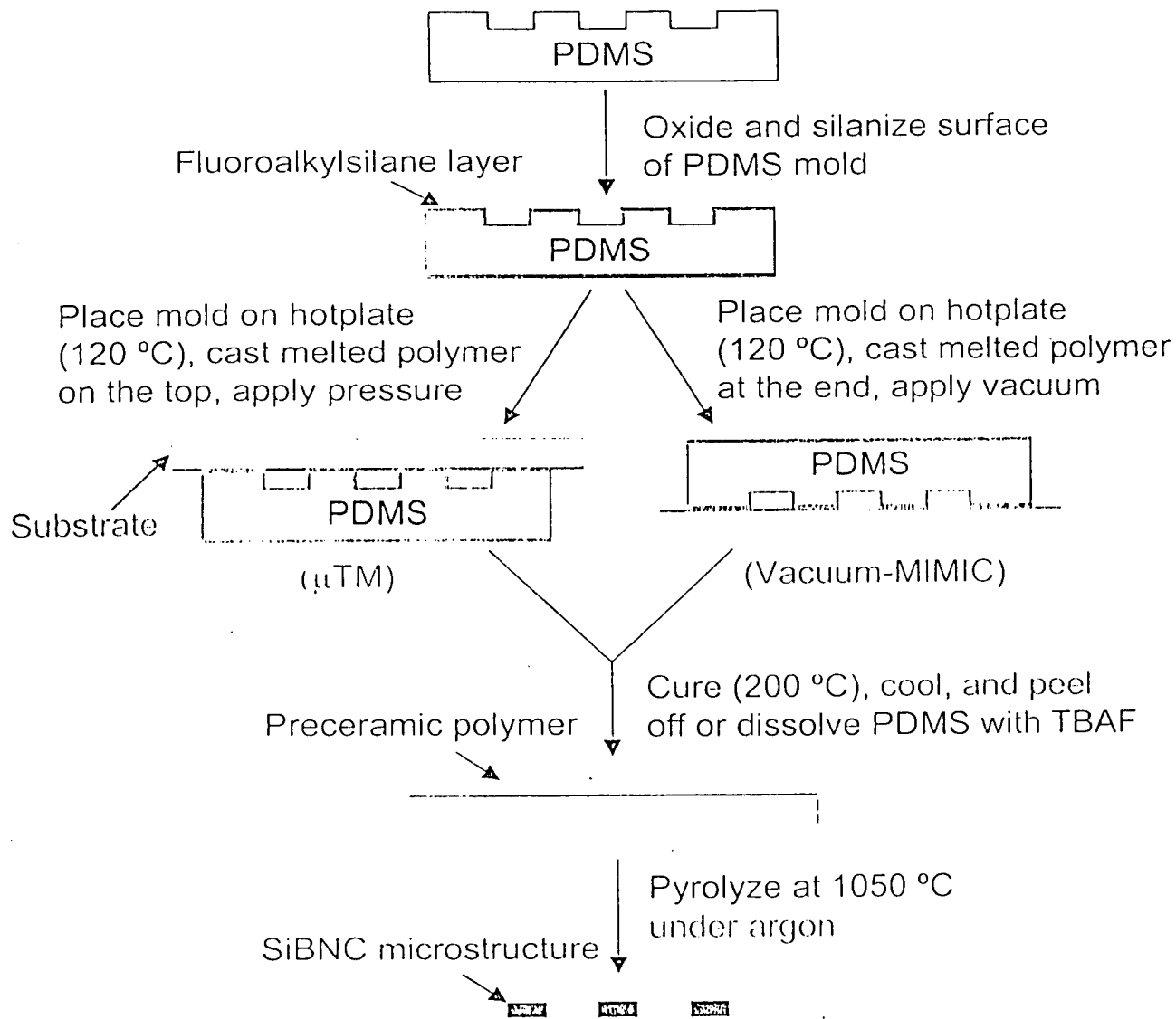


fig. 1B

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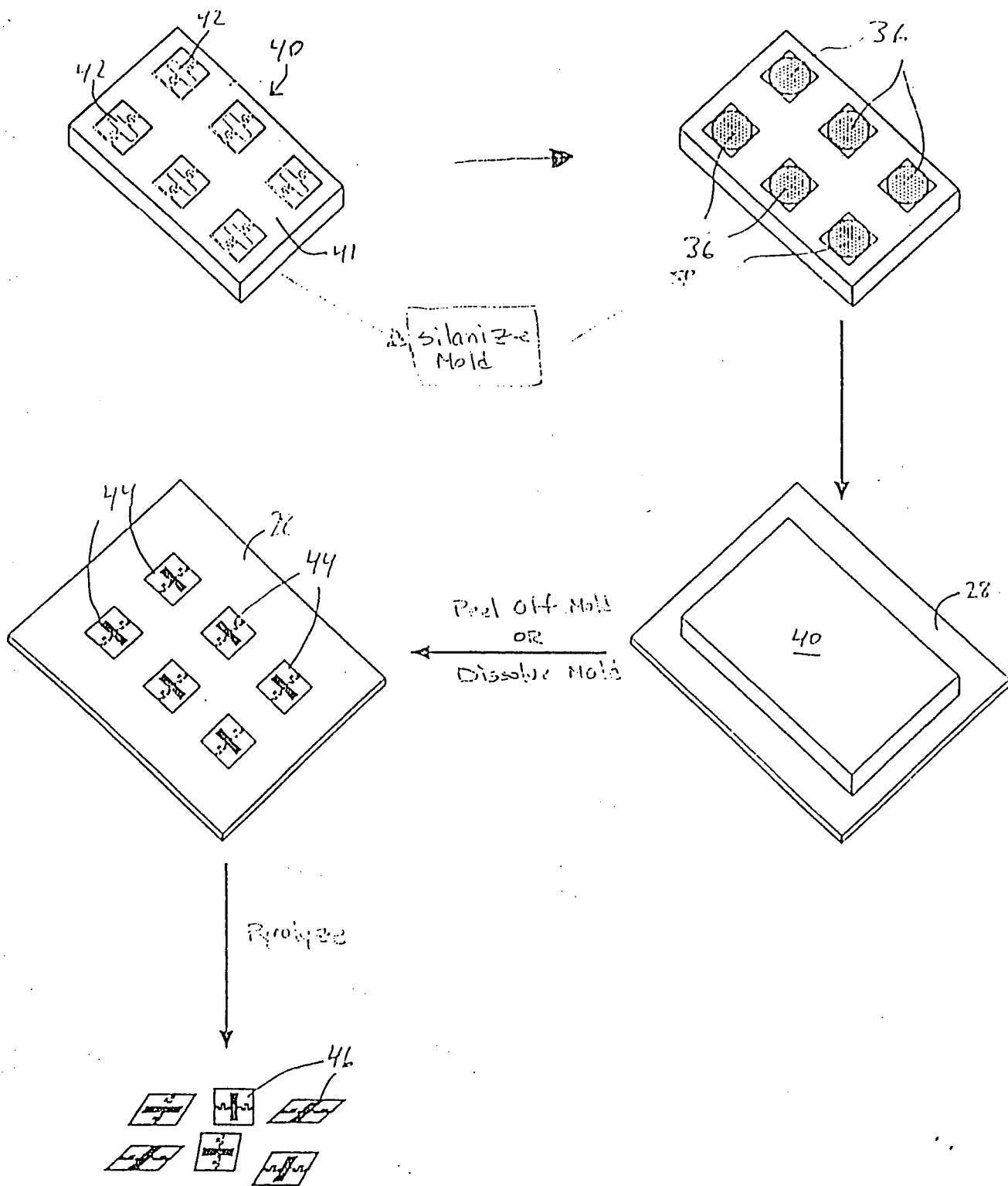
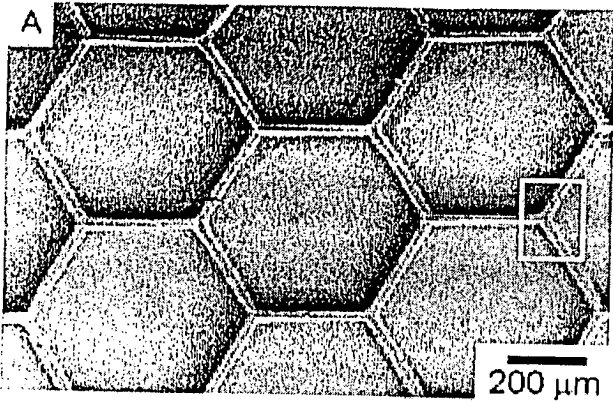
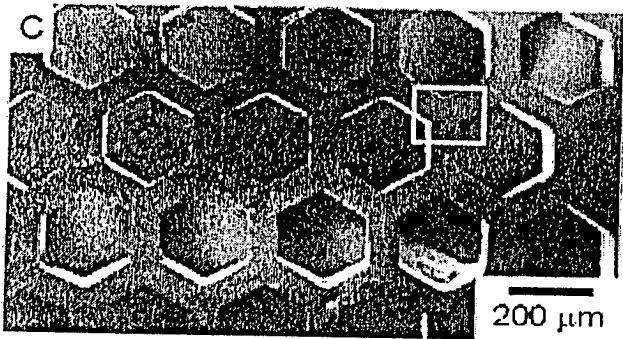
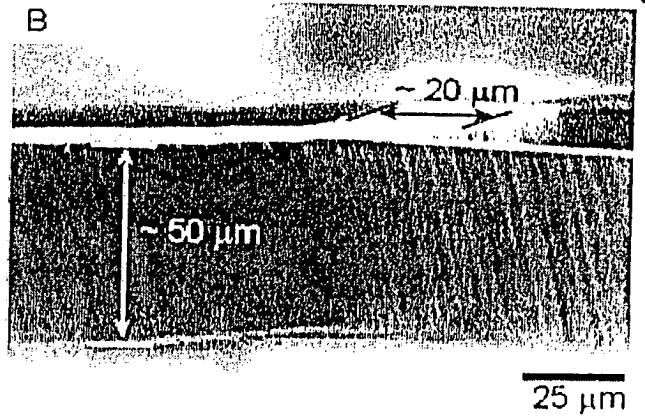


FIG. 2

Fig. 3



← 46
→



← 60
→

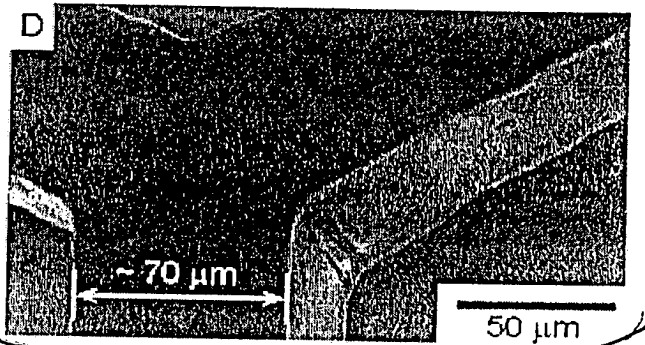
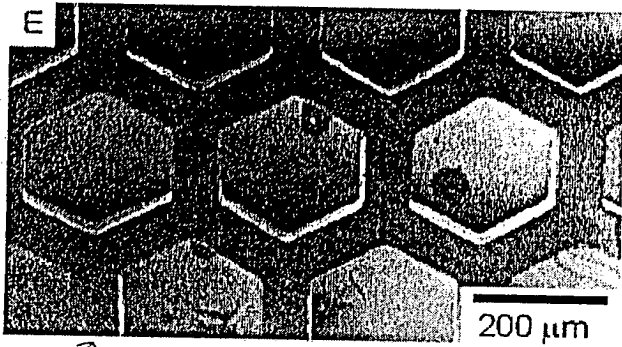
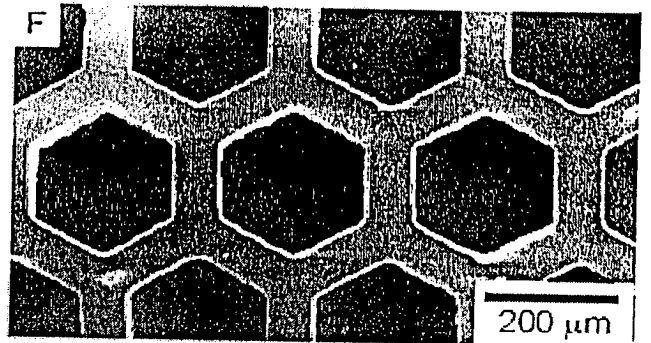


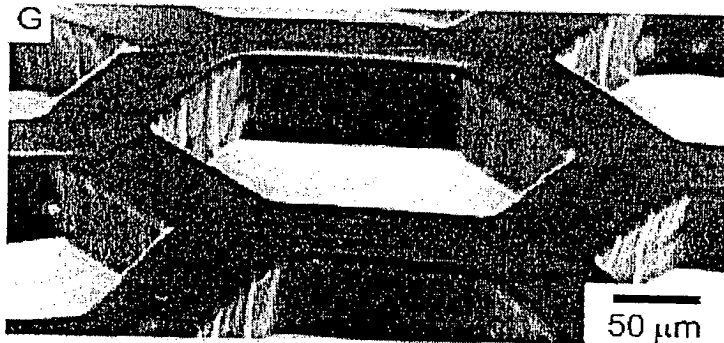
Fig. 5



← 56



← 56



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fig. 4

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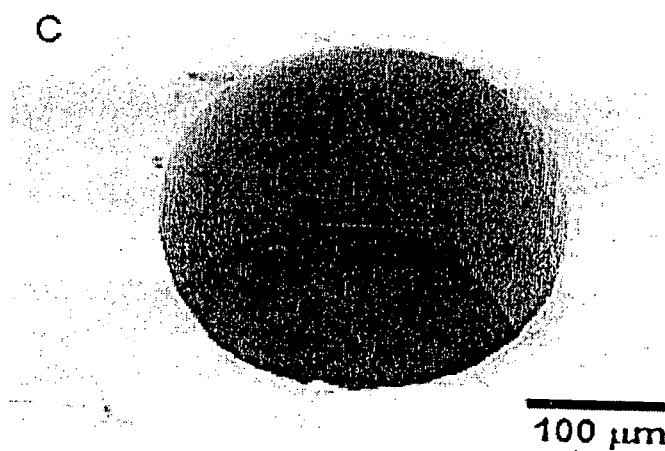
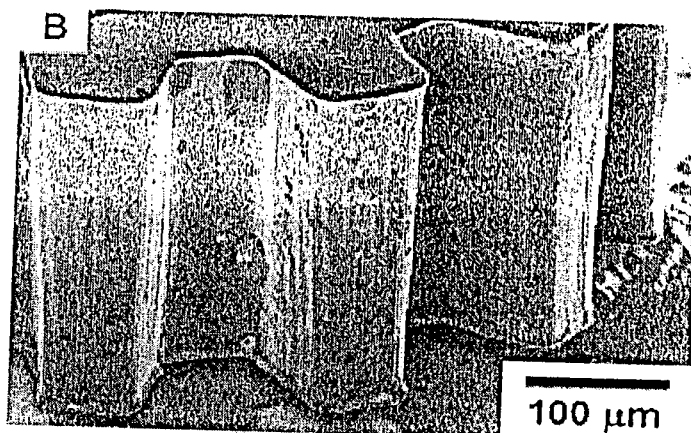
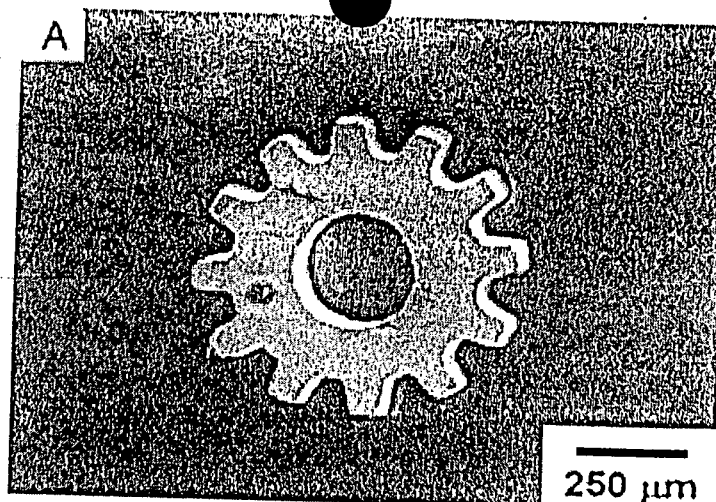


Fig. 6